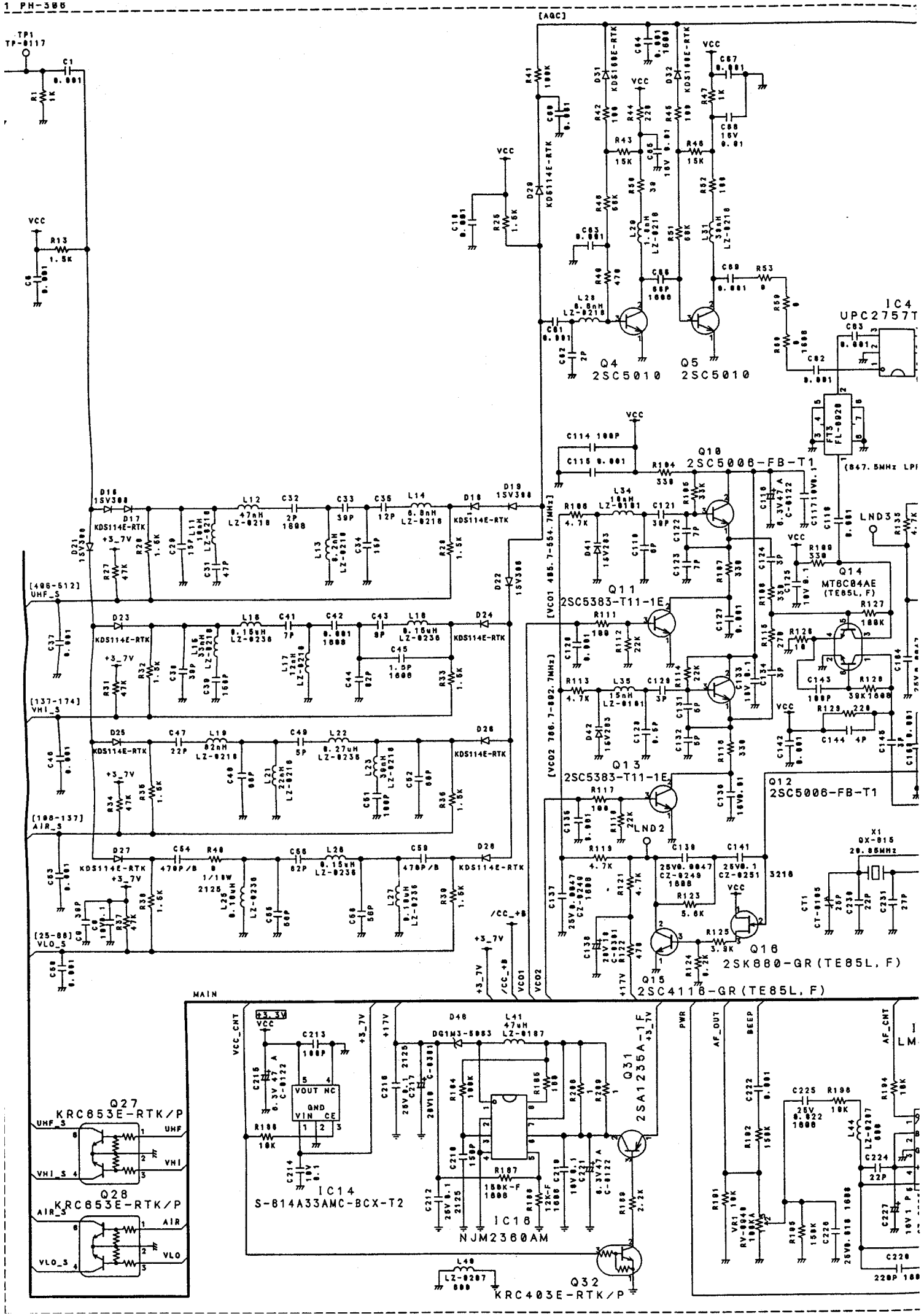
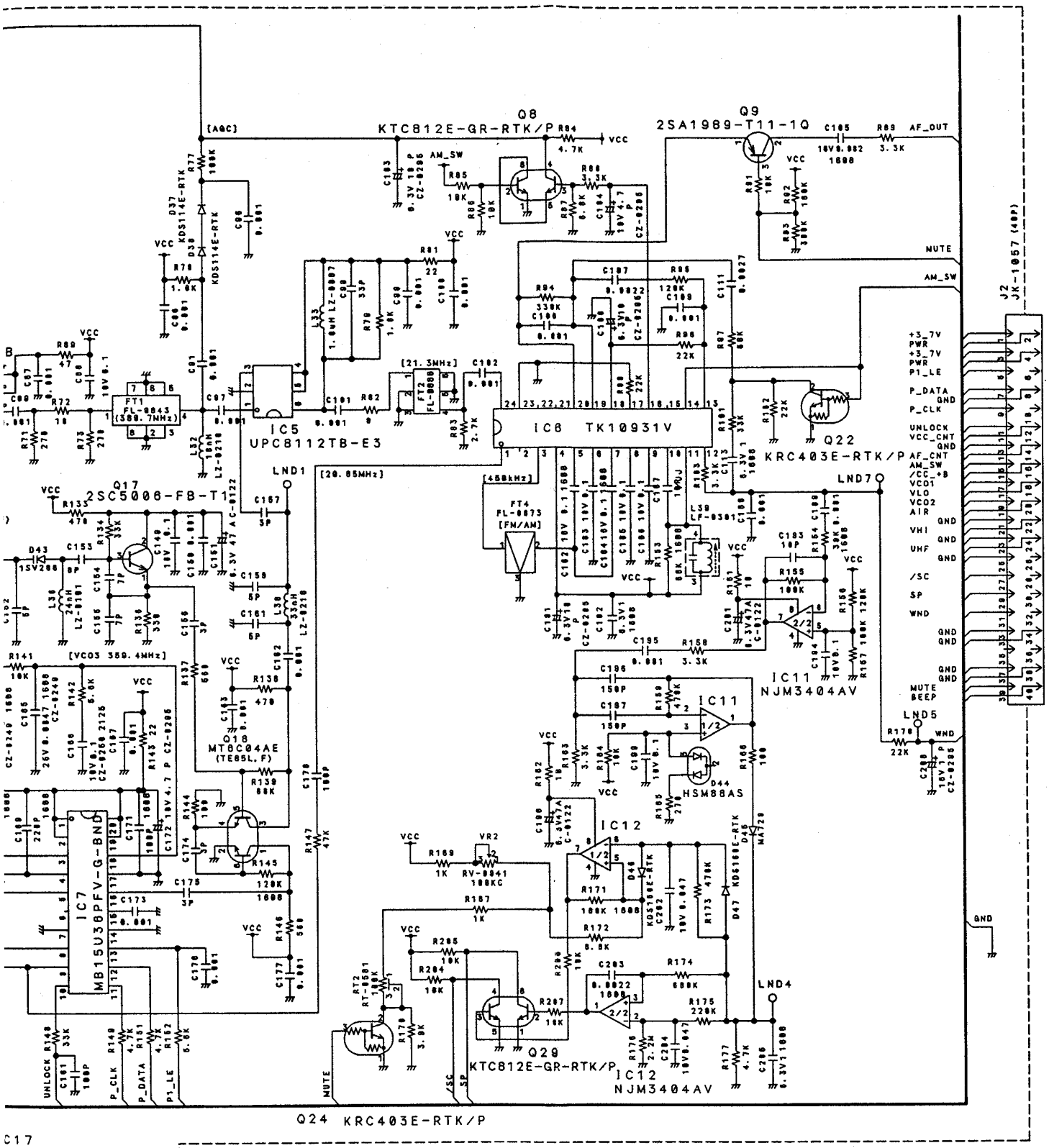
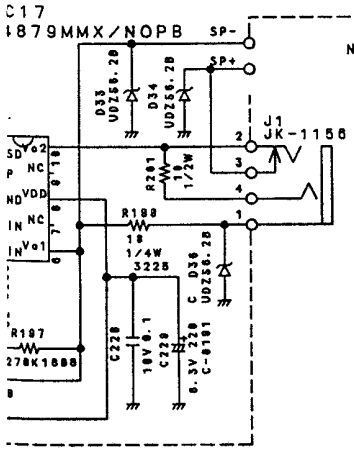

[AGC]
TP1
TP-0117
C1
0.001
R1
1K
VCC
R13
1.5K
C6
0.001
R41
100K
C64
0.001
D31
KDS160E-RTK
D32
KDS160E-RTK
C67
0.001
R47
1K
C68
16V
0.01
R42
100
R44
220
R45
100
R43
15K
C65
16V
0.01
R46
15K
D29
KDS114E-RTK
C18
0.001
R25
1.5K
R48
68K
R50
30
R52
100
L29
7.8nH
LZ-9218
L31
39nH
LZ-9218
R51
68K
C66
68P
1608
C69
0.001
R53
0
R49
470
L28
6.8nH
LZ-9218
C61
0.001
C62
2P
Q4
2SC5010
Q5
2SC5010
R59
0
R58
0
1608
C82
0.001
IC4
UPC2757T
C83
0.001
FT3
FL-0028
(847.5MHz LPF)
C114 100P
C115 0.001
Q10
2SC5006-FB-T1
R104
330
R105
33K
L34
18nH
LZ-9181
C121
39P
C116
0.3V47 A
C-8122
C117
10V0.1
C118
0.001
LND3
R135
4.7K
R106
4.7K
C122
7P
C123
7P
R107
330
D41
1SV283
C119
0P
R108
330
C124
3P
C125
18V 0.1
Q14
MT8C04AE
(TE85L, F)
R127
180K
R126
10
R128
39K
1608
C143
100P
C144
4P
R129
220
C142
0.001
C145
3P
C146
0.001
[VCO1 485.7~554.7MHz]
[VCO2 786.7~892.7MHz]
Q11
2SC5383-T11-1E
R111
100
R112
22K
C120
0.001
C127
0.001
R113
4.7K
L35
15nH
LZ-9181
C129
3P
R114
22K
C131
6P
C133
0.1
C134
3P
D42
1SV283
C128
0.5P
C132
6P
R110
330
Q13
2SC5383-T11-1E
R117
100
R118
22K
C135
0.001
C136
16V0.01
Q12
2SC5006-FB-T1
LND2
R119
4.7K
C139
25V0.0047
CZ-9249
1608
C141
25V0.1
CZ-9251
3216
R121
4.7K
C137
25V0.0047
CZ-9249
1608
R123
5.6K
VCC
C138
25V10
C-8381
R122
470
+17V
R124
0.2K
Q15
2SC4118-GR(TE85L, F)
Q16
2SK880-GR(TE85L, F)
X1
QX-015
20.85MHz
CT1
CT-9185
C230
26P
C231
22P
C232
27P
[406-512]
UHF_S
[137-174]
VHI_S
[108-137]
AIR_S
[25-88]
VLO_S
D18
1SV308
D17
KDS114E-RTK
+3_7V
R28
1.6K
C29
15P
L11
18nH
LZ-9218
C31
47P
R27
47K
L12
47nH
LZ-9218
C32
2P
1608
C33
39P
C35
12P
L14
6.8nH
LZ-9218
D18
KDS114E-RTK
D19
1SV308
L13
6.2nH
LZ-9218
C34
15P
R26
1.5K
D21
1SV308
D22
1SV308
D23
KDS114E-RTK
R32
1.5K
C38
39P
L16
33nH
LZ-9218
C39
150P
R31
47K
L17
12nH
LZ-9218
C44
82P
C45
1.5P
1608
L18
0.15uH
LZ-9238
C41
7P
C42
0.001
1608
C43
8P
D24
KDS114E-RTK
R33
1.6K
D25
KDS114E-RTK
C47
22P
L19
82nH
LZ-9218
C40
68P
L21
22nH
LZ-9218
C49
5P
L22
8.27uH
LZ-9238
L23
39nH
LZ-9218
C51
100P
C52
68P
D26
KDS114E-RTK
R36
1.5K
R34
47K
R35
1.6K
D27
KDS114E-RTK
C54
470P/B
R40
0
1/10W
2125
L25
0.18uH
LZ-9238
C55
68P
C56
82P
L26
0.15uH
LZ-9236
C58
68P
C59
470P/B
D28
KDS114E-RTK
R39
1.5K
R38
1.6K
R37
47K
C57
18V0.1
C53
0.001
C46
0.001
C48
0.001
C50
0.001
C60
0.001
C63
0.001
C37
0.001
/CC_+B
+3_7V
VCO1
VCO2
MAIN
+3_3V
VCC
VCC_CNT
C213
100P
C215
0.3V47 A
C-8122
VOUT NC
GND
VIN CE
C214
18V
0.1
R188
10K
IC14
S-814A33AMC-BCX-T2
+17V
D46
DG1M3-5053
L41
47uH
LZ-9187
C216
25V0.1
2125
C217
25V10
C-8381
R184
100K
R186
100
R200
1
R201
1
Q31
2SA1235A-1F
R187
150K-F
1608
C218
150P
C219
18V0.1
C221
0.3V47 A
C-8122
R189
2.2K
C212
25V0.1
2125
R190
12K-F
1608
IC16
NJM2360AM
L40
LZ-9207
800
Q32
KRC403E-RTK/P
PWR
AF_OUT
BEEP
AF_CNT
C222
0.001
R192
150K
C225
25V
0.022
1608
R196
10K
L44
LZ-9207
800
C224
22P
R191
10K
VR1
RV-9040
100KA
R195
150K
C226
C227
16V1
C228
220P
R194
10K
Q27
KRC653E-RTK/P
UHF_S
UHF
VHI_S
VHI
Q28
KRC653E-RTK/P
AIR_S
AIR
VLO_S
VLO



C17
4879MMX/NOPB



NOTES:
1. RESISTANCE VALUES ARE SHOWN IN OHMS UNLESS OTHERWISE NOTED. (K=KILO OHM, M=MEG OHM)
2. RESISTOR WATTAGES ARE 1/16W [1005] UNLESS OTHERWISE NOTED.
3. CAPACITANCE VALUES ARE INDICATED IN MICRO FARADS UNLESS OTHERWISE NOTED. (P=MICRO-MICRO FARAD)
4. ALL CAPACITORS TEMPERATURE CHARACTERISTICS ARE [CH] (LESS THAN 1000PF) OR [B] (MORE THAN 1000PF) UNLESS OTHERWISE NOTED.
5. CHIP CAPACITORS TYPE ARE [1005] AND RATED 50V UNLESS OTHERWISE NOTED.
6. RESISTOR TOLERANCES ARE J UNLESS OTHERWISE NOTED.

AT851
AT-398

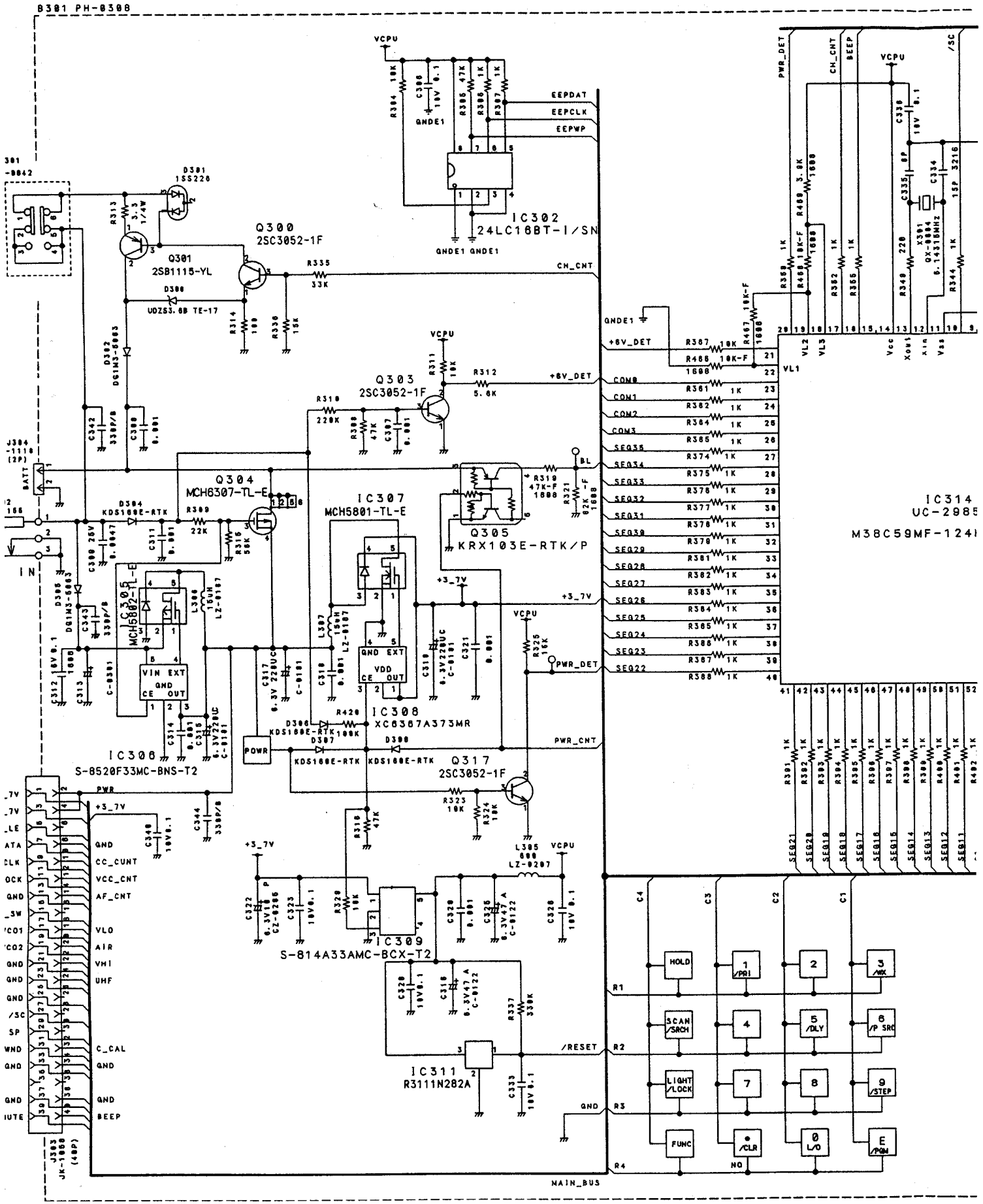
AD851
AD-871

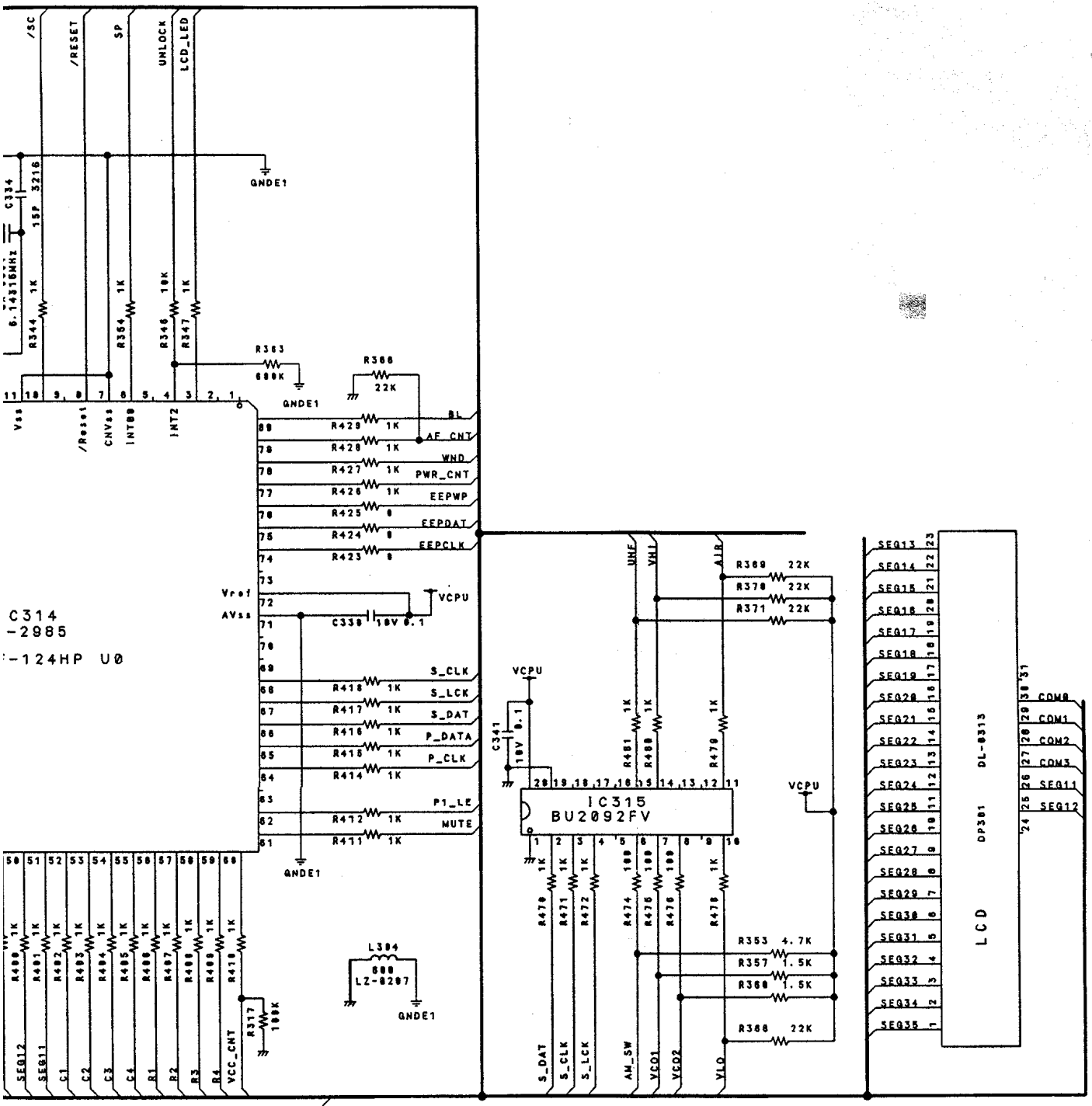
BT851 BT852
BT-551 BT-551

W502 SP501
UL1571 #28 SP-407
3-65-3 BLK

W601
UL1571 #26
3-55-3 WHT

DESIGN	DRAWN. BY	UNIDEN No.	MODEL No.
'04/11/8	'04/11/8	UB323C	AE72H
KUROKI	KUROKI	TITLE MAIN ASS'Y SCHEMATIC DIAGRAM	
CHECK. BY	APPRO. BY		
		DRAWING No.	
REV. No		UNIDEN CORP.	


B301 PH-0308
VCPU
EEPDAT
EEPCLK
EEPWP
IC302
24LC16BT-I/SN
Q300
2SC3052-1F
Q301
2SB1115-YL
D381
1SS226
D386
UDZS3.6B TE-17
CH_CNT
Q303
2SC3052-1F
+6V_DET
Q304
MCH6307-TL-E
Q305
KRX103E-RTK/P
IC307
MCH5801-TL-E
IC305
MCH5802-TL-E
IC306
S-8520F33MC-BNS-T2
IC308
XC6367A373MR
Q317
2SC3052-1F
IC309
S-814A33AMC-BCX-T2
IC311
R3111N282A
IC314
UC-2985
M38C59MF-124
PWR_DET
PWR_CNT
+3_7V
/RESET
BL
BEEP
MAIN_BUS
HOLD
SCAN
/SRCH
LIGHT
/LOCK
FUNC
/CLR
/PRI
/DLY
/MK
/P SRC
/STEP
/PGM



NOTES:

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2. RESISTOR WATTAGES ARE 1/16W [1005] UNLESS OTHERWISE NOTED.
3. CAPACITANCE VALUES ARE INDICATED IN MICRO FARAD UNLESS OTHERWISE NOTED. (P=MICRO-MICRO FARAD)
4. ALL CAPACITORS TEMPERATURE CHARACTERISTICS ARE [CH] (LESS THAN 1000PF) OR [B] (MORE THAN 1000PF) UNLESS OTHERWISE NOT
5. ALL CAPACITORS ARE RATED 50V UNLESS OTHERWISE N
6. CHIP CAPACITORS TYPE ARE [1005] UNLESS OTHERWIS
7. RESISTOR TOLERANCES ARE J UNLESS OTHERWISE NOTE

DESIGN	DRAWN. BY	UNIDEN No.	MODEL N
'04/11/8	'04/11/8	UB323C	AE72H
KUROKI	KUROKI	TITLE	KEY ASS'Y
CHECK. BY	APPRO. BY		SCHEMATIC DIA
		DRAWING No.	
REV. No			UNIDEN CORP.